DOCUMENT RESUME

ED 411 154 SE 060 546

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TITLE Practical Physics Labs: A Resource Manual.
ISBN ISBN-0-8251-1683-X
PUB DATE 1990-00-00
NOTE 279p.; Illustrated by Nicholas Soloway.
AVAILABLE FROM J. Weston Walch, Publisher, P.O. Box 658, Portland, ME 04104-0658.
PUB TYPE Guides - Classroom - Teacher (052)
EDRS PRICE Document Not Available from EDRS.
DESCRIPTORS Atomic Theory; Data Analysis; Data Collection; Electricity; Force; Graphs; Laboratory Equipment; *Laboratory Procedures; Learning Strategies; Magnets; Optics; *Physics; Relevance (Education); Science Activities; *Science Curriculum; Secondary Education; Teaching Guides; Thermodynamics

ABSTRACT

This resource manual focuses on physics labs that relate to the world around us and utilize simple equipment and situations. Forty-five laboratories are included that relate to thermodynamics, electricity, magnetism, dynamics, optics, wave transmission, centripetal force, and atomic physics. Each lab has three sections. The first section introduces the lab, explains procedures, and guides the analysis of data. The second section contains teacher notes, the rationale for the lab, and answers to questions. The third section is a five question multiple-choice quiz intended as a pre-lab assessment containing questions about procedures and the concepts involved in the laboratory. Tips on handling error and on graphing techniques are also provided. (DDR)

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